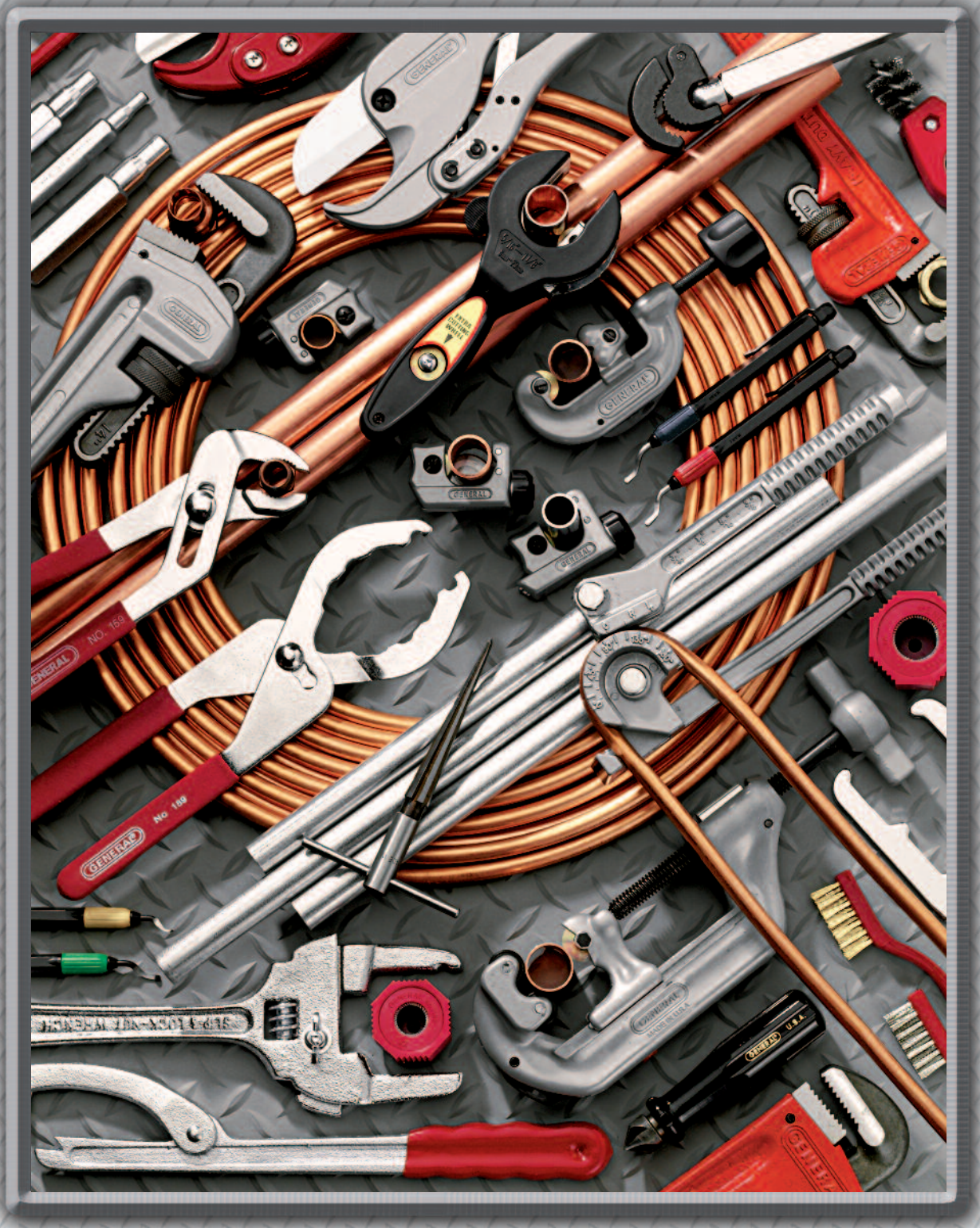
GENERAL®

Plumbing/Heating Tools and Instruments Catalog



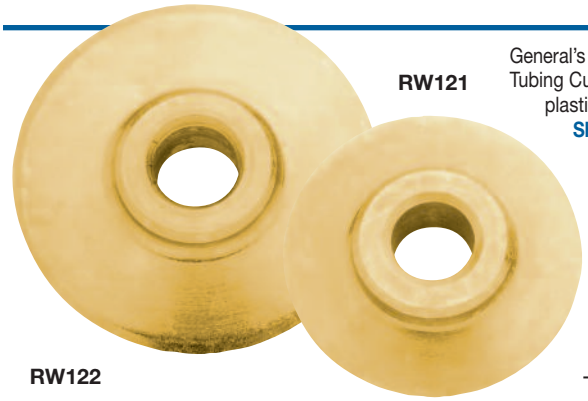
PTC10

Precision, Specialty & Innovation

GENERAL®

THE GOLD STANDARD PROFESSIONAL SERIES

All General Tools Professional Tubing Cutters, come standard with these customer proven features:
• **One** Bearing tool steel cutting wheel, machined to the perfect geometry and through hardened, that fits all General cutters. • **Wider** hardened and polished Flared Grooved Rollers for reliable, stable and true close end cutting on flared tubing. Our rollers are mounted on hardened solid pins for longer, friction free operation.
• **Powder Coated** baked on painted finish for durability, corrosion resistance and great look. • **All fasteners** are drilled and tapped for precision fit and strength, not riveted or pinned.



RW121

RW122

General's Gold Standard Tubing Cutter Wheels are the new Quality Standard Replacement Cutters for all General Tubing Cutters! Now with our new slim-line design only 2 cutter wheels are needed to cut copper, plastic, iron pipe and stainless steel. • Our Gold Standard cutter wheels include these features:

Shape: New, sleek, slim-line geometry provides for smooth, clean, effortless cutting on all Pipes and Tube Materials.

Strength: Bearing Tool Steel for superior strength to withstand the greater cutting pressure.

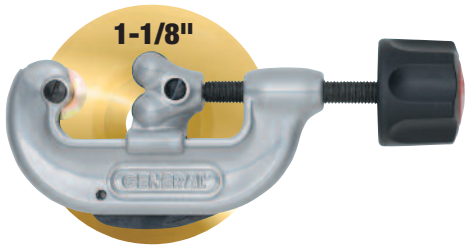
Durability: Hardened and tempered to maintain its sharp edge and reduce chipping or breaking.

Speed: The combination of shape, strength and durability enable General's New GOLD Standard to repeatedly provide quicker cutting without deforming the pipe OD and cuts with minimum ID burring.

RW121/2 - **For thin wall cutting**-Fits all General tubing cutters, Pro or Classic series; mini, standard or high performance sizes. (Packed 2 per card).

RW122 - **Larger capacity: For iron or PVC pipe**-Fits Nos. 120, 125, 126 and 127 cutters.

UPC	NO.	
12023 6	**RW121/2**	**RW121/2 - LIST $4.76**
12027 4	**RW122**	**RW122 - LIST $7.46**

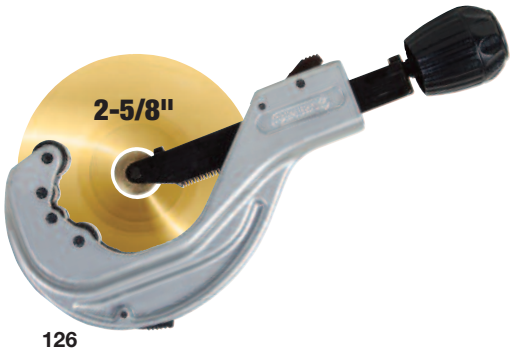


120

TUBING CUTTER

- Newly redesigned contoured shape comfort grip design
- Bearing tool steel cutter wheel
- Wide hardened flared grooved rollers allow cuts close to a flared end to avoid tube replacement in existing installations
- Full sized fold out reamer with double cutting edges
- Cuts copper, aluminum, brass, thin wall tubing and stainless steel
- Large knob with a covered extra cutter wheel storage space
- Replaceable cutting wheels: RW121/2, RW122

UPC	NO.	CAPACITY	
12003 8	**120**	1/8" to 1-1/8" (3mm- 30mm)	**LIST $11.88**

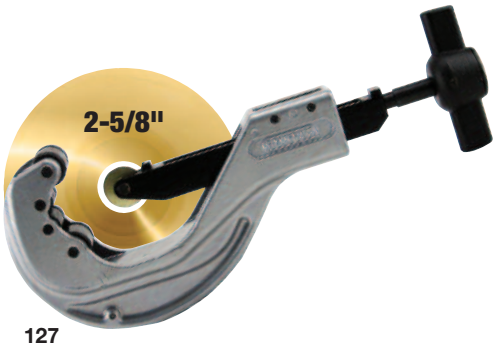


126

PIPE AND TUBING CUTTER

- General's best quality tubing and pipe cutter is designed to meet the demanding needs of the professional
- Quick release button to speed use
- Capacity 1/4" – 2-5/8" (6 – 67mm)
- For cutting copper, aluminum, thin wall tubing, iron and PVC
- Heavy-duty construction for tube or pipe
- Four rollers to accommodate multiple pipe sizes and prevent spiraling
- Removable machinists reamer to easily deburr pipe
- Quick open and close mechanism to speed use
- Extra wheel storage available in handle
- Uses standard General Tools cutting wheels #RW122 or #RW121

UPC	NO.	CAPACITY	
12017 5	**126**	2-5/8" (67mm) copper	**LIST $33.96**



127

IRON PIPE CUTTER

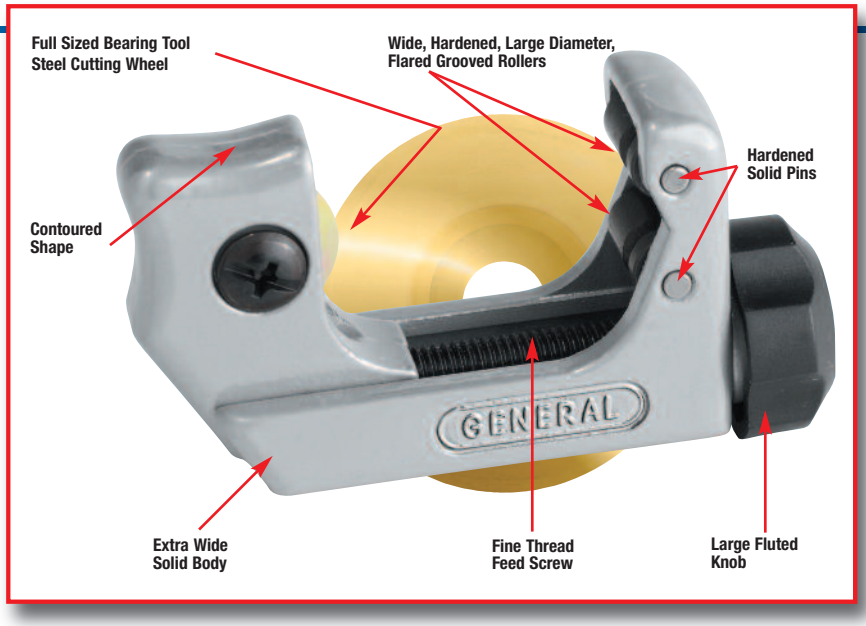
- All of the best features of General's No. 126 Pipe and Tubing Cutter and more
- Large hardened flare groove rollers allow you to cut close to the flared ends of pipe or tubing
- Removable machinists reamer to easily deburr pipe
- Solid frame for greater strength
- Equipped with RW122 heavy-duty cutting wheel for iron, copper, stainless steel, and PVC pipe
- Hardened Acme thread for greater strength
- Replaceable cutting wheels: RW121/2, RW122

UPC	NO.	CAPACITY	
12020 5	**127**	2-5/8" (67mm) 1-1/4" (32mm) iron	**LIST $51.90**

ALWAYS WEAR OSHA APPROVED SAFETY GOGGLES

Mini Tubing Cutters

- A mini must work in locations where standard cutters don't fit. Our new mini cutters work in tighter locations that the Pro and DIY'er encounter. We call it Spin Radius.
- A mini must be comfortable to spin to avoid hand fatigue. We've designed in contoured finger grip locations to increase comfort, working torque and speed.
- We added a large fluted, easy turning, adjusting knob, fine threaded feed screw and unique tracking rail system, to ensure reliable, smooth, friction free operation and greater torque.
- Adding our standard full sized bearing tool steel cutter to every General Mini makes our Pro Series our best ever.

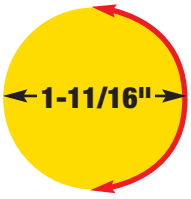


SUPER MINI TUBING CUTTER

- Comfort grip design for easy turning
- Full size bearing tool steel cutter wheel
- Large fluted adjusting knob for greater torque
- Cuts copper, aluminum, brass, thin wall tubing and stainless steel
- Wide hardened flared grooved rollers allows true cuts close to flared end tubing to avoid tube replacement in existing installations

- Replaceable cutting wheel, RW121/2

UPC	NO.	CAPACITY
01240 1	**124**	1/8" to 1-1/8" (3mm – 30mm)



1-11/16" SWING RADIUS AT MAX CAPACITY

LIST $11.30

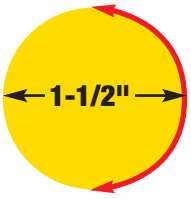
124

MINI TUBING CUTTER

- Comfort grip design for easy turning
- Full size bearing tool steel cutter wheel
- Large fluted adjusting knob for greater torque
- Cuts copper, aluminum, brass, thin wall tubing and stainless steel
- Wide hardened flared grooved rollers allows true cuts close to flared end tubing to avoid tube replacement in existing installations

- Replaceable cutting wheel, RW121/2

UPC	NO.	CAPACITY
12032 8	**129X**	1/8" to 7/8" (3mm – 22mm)



1-1/2" SWING RADIUS AT MAX CAPACITY

LIST $9.90

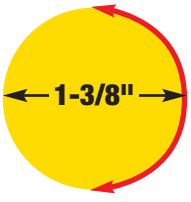
129X

MICRO TUBING CUTTER

- Comfort grip design for easy turning
- Full size bearing tool steel cutter wheel
- Large fluted adjusting knob for greater torque
- Cuts copper, aluminum, brass, thin wall tubing and stainless steel
- Wide hardened flared grooved rollers allows true cuts close to flared end tubing to avoid tube replacement in existing installations

- Replaceable cutting wheel, RW121/2

UPC	NO.	CAPACITY
12009 0	**123R**	1/8" to 5/8" (3mm – 15mm)



1-3/8" SWING RADIUS AT MAX CAPACITY

LIST $10.57

123R

Tubing Cutters

General's full range of cutters makes the job easier to do for the professional plumber as well as the do-it-yourselfer. Each of our cutters produces cuts on copper, aluminum and thin wall tubing. Our 126 and 127 cutters are perfect for cutting iron pipe, tubing and PVC. Sizes range from 1/8" to 2-5/8" O.D. capacity. RW122 gold standard replacement cutter wheel fits no's. 120, 125, 126 and 127 cutters.

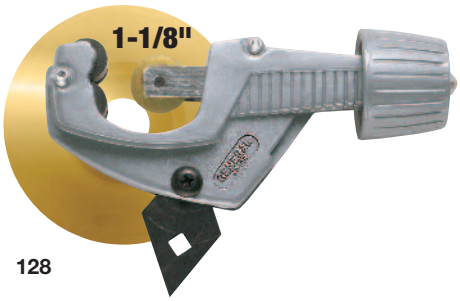
125

HEAVY-DUTY CUTTER

- Newly redesigned comfort grip for heavy-duty and industrial applications
- Bearing tool steel cutter wheel
- Wider, hardened flared grooved rollers allow cuts close to a flared end to avoid tube replacement in existing installations
- Full size fold-out reamer
- Cuts copper, aluminum, brass, thin wall tubing and stainless steel
- Oversize knob for additional leverage
- Spare cutting wheel storage position in handle
- Replaceable cutting wheels: RW121/2, RW122

UPC	NO.	CAPACITY
12015 1	**125**	1/4" to 1-5/8" (6mm - 41mm)

LIST $19.43



128

ENCLOSED FEED CUTTER

- General's finest professional quality cutter
- Feed is enclosed to keep tool size consistent for work in confined spaces
- Enclosed threads seal out dirt for long life
- Wide hardened flared grooved rollers allow true cuts close to flared end tubing to avoid tube replacement in existing installations
- Cuts copper, aluminum, brass, thin wall tubing and stainless steel
- Hardened steel retractable reamer
- Conforms to government specifications GGG-C-771d
- Replaceable bearing tool steel cutter wheel, RW121/2 (included)

UPC	NO.	CAPACITY
12018 2	**128**	1/8" to 1-1/8" (3mm - 30mm)

LIST $28.19

133

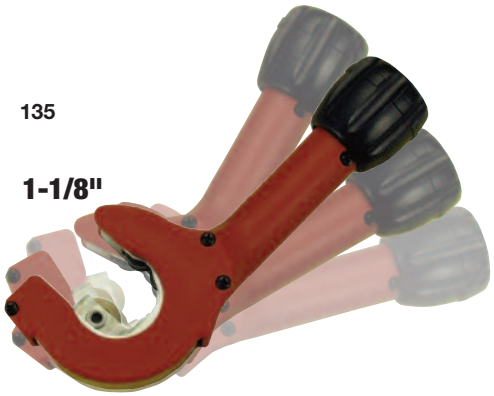
E•Z™ RATCHET TUBING CUTTER

- Ratcheting action rotates the cutter around the tube allowing a standard size cutter to be used in close quarter applications
- Longer handle requires less effort to rotate cutter reducing hand fatigue
- Wide hardened flared grooved rollers allow true cuts close to flared end tubing to avoid tube replacement in existing installations
- Cuts copper, aluminum, brass, thin wall tubing and stainless steel
- Spare cutting wheel supplied in handle
- Replaceable cutting wheel: RW121/2

UPC	NO.	CAPACITY
13300 7	**133**	5/16" to 1-1/8" (8mm – 30mm)

LIST $24.44

135



E•Z™ RATCHET II TUBE AND PIPE CUTTER

- Cuts without rotating tool completely around tube or pipe
- Exclusive "One-Hand" operation
- Ratchets in 5° increments while cutting 360° around tube
- Large cutting diameter 1/8" to 1-1/8" (3mm-28mm)
- Cuts copper, brass, aluminum, stainless steel, PVC and thin wall conduit
- Replaceable cutting wheels: RW135/2

UPC	NO	CAPACITY
01350 7	**135**	1/8" to 1-1/8" (3mm-28mm)
01351 4	**RW135/2**	Replacement Wheel (2)

135 - LIST $33.41
RW135/2 - LIST $7.99

Toll Free 800-697-8665 • Fax 212-431-6499 • www.generaltools.com

ALWAYS WEAR OSHA APPROVED SAFETY GOGGLES

Cutting Tools

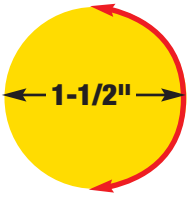
General's PVC Cutters are used for cutting PVC, PE and ABS pipe. All metal construction allows for greater durability. Ergonomically designed handle allows for comfort and control. The hose and tubing cutter cuts flexible rubber, PVC, ABS and Polythylene tubing. The PVC Saw has a smooth, fast cutting blade for PVC and wood. Its high impact plastic handle can be pivoted and locked into multiple positions.

CLASSIC MINI TUBING CUTTER

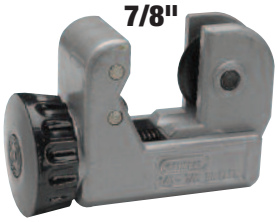
- For cutting copper, aluminum, brass and thin wall tubing in tight or hard-to-reach places
- Large knob for added torque
- Hardened flare grooved rollers
- Replaceable cutting wheel: RW121/2

UPC	NO.	CAPACITY
12028 1	**129**	1/8" to 7/8" (3mm - 22mm)

LIST $6.10



1-1/2" SWING RADIUS AT MAX CAPACITY



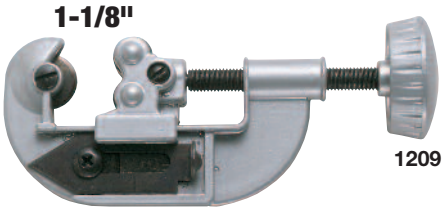
129

CLASSIC STANDARD TUBING CUTTER

- For cutting copper, aluminum, brass and thin wall tubing in tight or hard-to-reach places
- Large knob for added torque
- Hardened flare grooved rollers
- Retractable tool steel reamer
- Replaceable cutting wheel: RW121/2

UPC	NO.	CAPACITY
01209 8	**1209**	1/8" to 1-1/8" (3mm- 30mm)

LIST $7.19



1209

TRIGGER ACTION PLASTIC PIPE AND HOSE CUTTER

- For cutting PVC, CPVC, Polyethylene, PEX, ABS
- Easily fits into tight spaces
- Quick blade replacement

UPC	NO.	CAPACITY
01170 1	**117**	1-5/8" (42mm)
01171 8	**117BG**	Replacement Blade

117 - LIST $33.54
117BG - LIST $10.89

117

PVC RATCHET CUTTER

- For repeated heavy-duty cutting
- Cuts hose, PVC, CPVC, polyethylene, PEX and ABS up to 2"
- Ratchet action for easy cutting
- High carbon steel blade provides longer sharpness and clean cuts
- Aluminum body is lighter and corrosion resistant
- Safety locking clasp

UPC	NO.	CAPACITY	LENGTH
01181 7	**118**	up to 2" (50mm)	17" (425mm)
01180 0	**118BG**	Replacement Blade	

118 - LIST $37.72
118BG - LIST $12.54

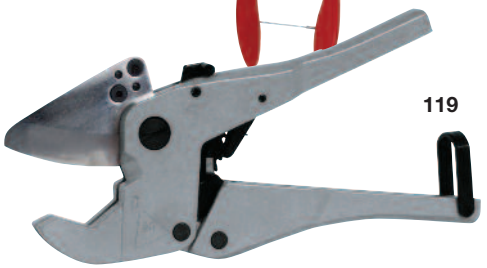
118

ONE-HANDED PLASTIC PIPE AND HOSE CUTTER

- For cutting PVC, CPVC, Polyethylene, PEX and ABS tubing
- One-handed Operation
- Quick-Blade Reset
- Ratchet system holds blade in place while you adjust your grip to increase pressure
- High carbon steel blade maintains sharpness and resists chipping
- Handle locking strap for safe storage
- Exclusive, easy replaceable blade feature
- Ergonomically designed handle for comfort
- Replacement Blade, No.119BG

UPC	NO.	CAPACITY	LENGTH
31173 3	**119**	1/8" to 1-5/8"	8-1/4" (210mm)
01194 7	**119BG**	Replacement Blade	

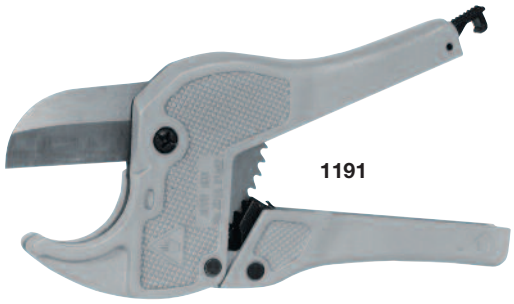
119 - LIST $29.23
119BG - LIST $17.45



119

Cutting/Bending

General's PVC Cutters are used for cutting PVC, PE and ABS pipe. All-metal construction allows for greater durability. Ergonomically designed handle allows for comfort and control. The hose and tubing cutter cuts flexible rubber, PVC, ABS and Polythylene tubing. The PVC Saw has a smooth, fast cutting blade for PVC and wood. Its high impact plastic handle can be pivoted and locked into multiple positions.



ONE-HANDED PVC/HOSE CUTTER

- For cutting PVC, PE, PEX, ABS pipe
- Professional quality, all-metal construction for greater durability
- Ratcheting action for easy cutting
- High carbon steel blade provides longer sharpness and clean cuts
- Handle locks for safety
- Ergonomically designed handle for comfort

UPC	NO.	CAPACITY	LENGTH
01191 6	**1191**	up to 1-5/8" (40mm)	9-1/8" (231mm)

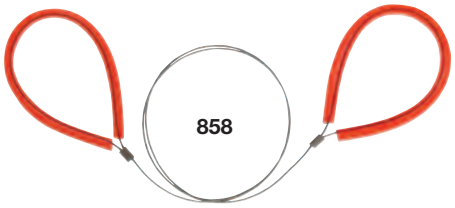
LIST $22.77

HOSE AND TUBING CUTTER

- Cuts flexible rubber, PVC, ABS & polyethylene tubing
- Long handles provide added leverage for easy cuts
- Curved holder supports hose for square cuts
- Replaceable steel blade
- Capacities: rubber hose 2", polyethylene and ABS pipe 1", PVC pipe 1"

UPC	NO.	CAPACITY
01150 3	**115**	1" to 2" (25mm – 50mm)
		LENGTH
		9-1/2" (241mm)
11500 3	**115B**	Replacement Blade

115 - LIST $13.58
115B - LIST $6.53



PVC PIPE CABLE SAW

- For cutting PVC pipe in confined work areas
- 24" stainless steel serrated cutting cable
- Easily cuts pipe up to 8" in diameter
- Comfort grip handles

UPC	NO.	CAPACITY
08580 1	**858**	8" dia. (200mm)

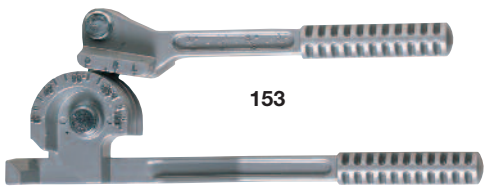
LIST $4.91

JUNIOR HACKSAW

- Handy cutting tool for hobbyists, do-it-yourselfers and professionals
- Ergonomically designed with a comfortable high-impact plastic handle
- 6" (150mm) replaceable heat treated blade for cutting metal
- Sturdy tubular frame
- Reversible blade for push or pull cutting
- No. 864B, set of 6 replacement blades: 3 wood and 3 metal are available

UPC	NO.	
43067 0	**864**	
43070 0	**864B**	Set of 6 Blades

864 - LIST $6.15
864B - LIST $3.22



COMPOUND TUBING BENDER

- Will bend copper, brass, thin wall tubing, aluminum, soft wire and rods
- 180° bends in a single action
- Bender has calibrated angle markings from 0° to 180° for making accurate left, right and offset bends
- Bends 4 sizes
- Ergonomically designed handles for greater comfort
- Durable die-cast alloy construction
- Extra-long handle for greater leverage

UPC	NO.	CAPACITY
14019 7	**153**	3/16" (5mm), 1/4" (6mm), 5/16" (8mm), 3/8" (10mm)

LIST $31.75

ALWAYS WEAR OSHA APPROVED SAFETY GOGGLES

Bending/Flaring

General's Flaring Tools are essential for setting up or repairing flared tubing installations. Accurately flare copper, aluminum and thin wall tubing for leak free connections.

Each flaring tool forms 45° flares in seven popular sizes. Made of rust resistant plated steel bars. Tubing Benders will bend copper, brass, thin wall tubing, aluminum, soft wire and rods.

TUBING BENDERS

- These tools eliminate crimping and collapsing of copper and other thin wall tubing. Made of oil hardened and tempered spring steel
- Our tubing bender set contains one each of the sizes listed below, packaged in a display box
- Available in individual sizes

S106 - LIST $12.70
100-1/4 - LIST $1.65
100-5/16 - LIST $1.84
100-3/8 - LIST $1.96
100-7/16 - LIST $2.30
100-1/2 - LIST $2.78
100-5/8 - LIST $3.15

UPC	NO.	TUBE SIZE OUTSIDE DIA.
11009 1	S106	1/4", 5/16", 3/8", 7/16", 1/2", 5/8"

UPC	NO.	TUBE SIZE OUTSIDE DIA.	LENGTH
11003 9	100-1/4	1/4"	10-1/2"
11006 0	100-5/16	5/16"	10-1/2"
11018 3	100-3/8	3/8"	10-1/2"
11024 4	100-7/16	7/16"	10-3/8"
11012 1	100-1/2	1/2"	11-3/4"
11021 3	100-5/8	5/8"	11-3/4"

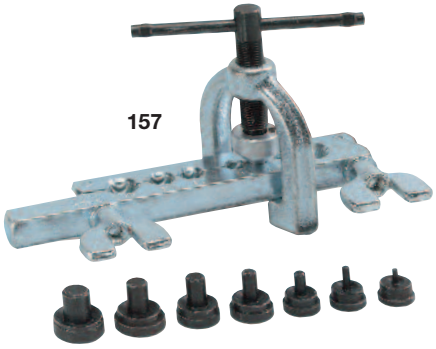
S106

DOUBLE FLARING TOOL

- Specially designed to double flare tubing for high pressure applications in automotive, air conditioning and refrigeration
- Accurately single or double flares copper, aluminum and thin wall tubing for leak free connections
- Quick opening plated steel bars for easy insertion and removal of tubing
- Plated steel yoke and hardened steel bars for accurate flaring
- Double flare inserts are case hardened steel
- All parts have rust resistant finish
- Portable storage case

UPC	NO.	CAPACITY
14015 9	157	3/16", 1/4", 5/16" 3/8", 7/16", 1/2", 5/8"

LIST $62.52



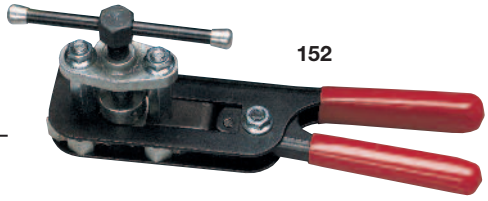
157

PLIER FLARING TOOL

- All-steel construction
- Freewheeling cone self centers accurately over tubing
- Quick release allows insertion and removal of tubing easily
- Quick release plier action handles hold tubing securely while flaring
- Can be used in confined areas
- Industrial quality
- Vinyl handles for greater comfort

UPC	NO.	CAPACITY
14022 7	152	3/16", 1/4", 5/16", 3/8",1/2", 5/8"

LIST $39.25



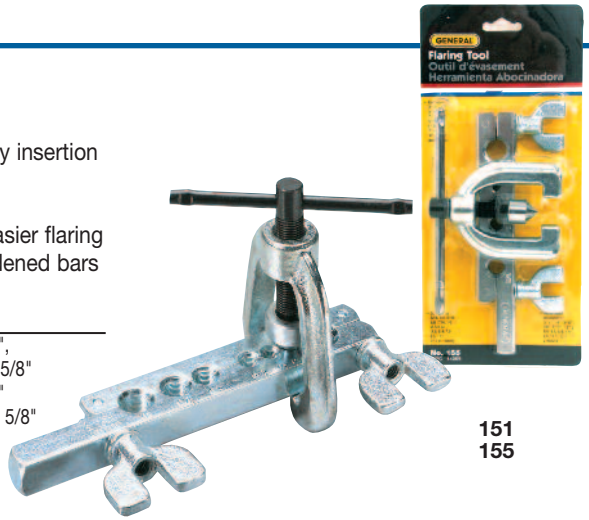
152

FLARING TOOLS

- High quality tool moderately priced
- Screw yoke slips quickly over bars without removing heavy-duty wing nuts
- Yokes have a freewheeling 45° plated cone for faster, smoother flaring and greater strength in flaring copper, aluminum, brass and thin wall tubing
- Large heavy-duty hardened feed thread for durability
- Long sliding T-handle provides maximum leverage
- Quick opening plated bars for easy insertion and removal of tubing
- Size individually marked on bars
- Extra long bars to fit in vice, for easier flaring
- No. 155 has a steel yoke and hardened bars
- No. 151 has a cast iron yoke

UPC	NO.	CAPACITY
14008 1	151 (Standard)	3/16", 1/4", 5/16", 3/8", 7/16" 1/2", 5/8"
14009 8	155 (Industrial)	3/16", 1/4", 5/16" 3/8", 7/16", 1/2", 5/8"

151 - LIST $23.99
155 - LIST $34.28



151
155

Reamers/Deburring

General offers a wide selection of Reamers and Deburring Tools to plumbers, auto mechanics, steam-fitters, metal workers and mechanics. All of General's Reamers are precision hardened with ground cutting edges for durability. Reamers are used for removing burrs from cut pipe, tubing and conduit as well as for enlarging and counter-sinking holes in sheet metal, plastic and other material.

130

T-HANDLE REAMER

- Made of hardened and tempered tool steel with precision ground cutting edges
- T-handle provides leverage for easier reaming

UPC	NO.	CAPACITY
13003 7	**130**	1/8" to 1/2" (3mm – 12mm) 5-3/4" (146mm)

LIST $18.92

131

SCREWDRIVER HANDLE REAMER

- General's easy-to-use reamer is perfect for in-home plumbing
- Fluted plastic handle
- Hardened and ground tempered steel

UPC	NO.	CAPACITY	LENGTH
13006 8	**131**	3/8" (10mm)	6-1/2" (165mm)

LIST $14.66

134

INNER/OUTER REAMER

- Inner/Outer Reamer will work on steel, iron, copper and PVC
- Zinc die-cast body
- Capacity 1-1/2" diameter (12.7mm)
- Grooved outer body gives you an easy grip
- Internal and external reamers are made of heat treated high carbon steel

UPC	NO.	CAPACITY
22077 6	**134**	1-1/2" (38mm)

LIST $13.54

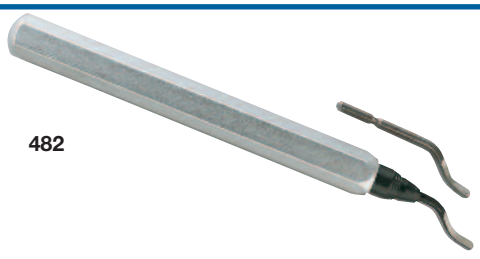
196

HAND REAMER AND COUNTERSINK

- Handy tool for countersinking or deburring small jobs
- The 3/4" five-flute tool steel cutter makes fast work of deburring. Deburring plastic, copper, iron pipe and sheet metal
- Heavy-duty, ergonomically designed handle

UPC	NO.	CAPACITY	LENGTH
23054 6	**196**	3/4" (19mm)	5-1/8" (130mm)

LIST $10.84



482

SWIVEL HEAD DEBURRING TOOL

- Professional quality and performance of higher price deburring tools
- Two interchangeable blades

UPC	NO.	HANDLE LENGTH
42324 5	**482**	5-1/8" (130mm)
42327 6	**482A**	Blade for steel, copper, aluminum and plastic
42330 6	**482B**	Blade for brass and cast iron.

482 - LIST $12.38
482A - LIST $2.70
482B - LIST $2.63

481

DEBURRING TOOL

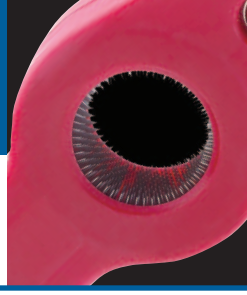
- Pivot blade allows easy burr removal from iron pipe, copper and PVC tubing
- Includes 1 replacement blade in storage handle
- High impact plastic for durability
- Replacement blades 482A & B are available

UPC	NO.	HANDLE LENGTH
00481 9	**481**	5" (127mm)

LIST $8.32

ALWAYS WEAR OSHA APPROVED SAFETY GOGGLES

Deburring/Cleaning Brushes



Deburring Tools are used for removing burrs from cut pipe, tubing, conduit and PVC tubing. Swaging Tools are an easy and economical method of joining copper tubing. The Pipe and Fitting Brushes are used for cleaning inside and outside diameters of tubing and fittings in preparation for solder when sweating pipes. By expanding the tube the need for coupling is eliminated.

9-PIECE SWIVEL HEAD DEBURRING KIT

- Deburring tools are used for removing burrs from cut pipe, tubing, conduit and PVC tubing
- Spring-loaded ***Speed-Chuck***™ allows blade changes instantly
- Nine interchangeable blades handle any deburring job
- Kit contains: • 1 each blade for • steel • aluminum • copper • plastic • 1 each blades for • brass • cast iron • plastic • 1 each corner edge • triangle • square flat scrapers
- Additional blade and storage in fitted zippered case
- Precision engineered 750 Series Versa-Grip™ handle for maximum performance

UPC	NO.	PKG.
75972 6	**75409**	Zippered Case/ Boxed

LIST $31.35

75409

4-PIECE SWAGING TOOL SET

- An easy and economical method of joining copper tubing
- Eliminates the need for coupling
- Hex body prevents rolling and allows easy removal from tube
- Heat treated alloy steel, plated to prevent rust

UPC	NO.	SPECIFICATIONS
14018 0	**154ST**	Set of 4 Swaging Tools

SIZES:
1/4", 3/8", 1/2", 5/8"

LIST $17.65

154ST

6-IN-1 SWAGING TOOL

- Handy swaging tool expands tubing eliminating the need for couplings
- Expands 6 tubing sizes: 3/16", 1/4", 5/16", 3/8", 1/2" and 5/8" O.D. tubing
- Use with a flaring bar to hold tubing

UPC	NO.	LENGTH
01545 7	**1545**	5-1/4" (133mm)

LIST $9.62

1545

4-IN-1 PLUMBING BRUSH

- 4-IN-1 brush cleans both the inside and outside of copper tubing in preparation for solder when sweating pipes
- Cleans most popular 1/2" and 3/4" I.D. tube and 5/8" and 7/8" O.D. tube
- Hardened steel brushes and polypropylene body for strength and durability

UPC	NO.
01140 4	**114**

LIST $13.82

114

2-IN-1 PIPE AND FITTING BRUSHES

- Cleans I.D. and O.D. of tubing and fittings
- Long lasting steel bristles
- Designed for comfortable use and easy storage

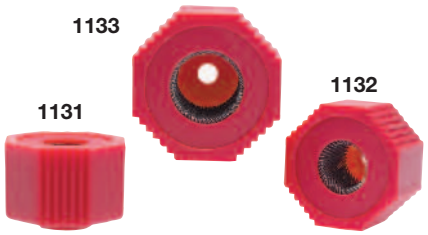
UPC	NO.	CAPACITY
22075 2	**110**	1/2" (12mm)
22076 9	**111**	3/4" (19mm)

110 - LIST $10.16
111 - LIST $10.16

110
111

Cleaning Brushes/Pipe Wrenches

Cleaning Brushes are used for cleaning the inside and outside of tubing and fittings in preparation for solder when sweating pipes. Basin Wrenches, with their pivoting jaws and long handles, permits access to holding nuts behind basins. Spring-loaded jaws allow for one-handed ratcheting

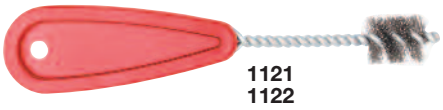


TUBE O.D. CLEANING BRUSHES

- Cleans pipe O.D. for a good solder joint
- Fluted octagon shape provides a firm hand-grip and will not roll
- Inserting tubing to the backstop insures correct cleaning length for a good solder joint
- Each brush cleans 2 tube sizes

UPC	NO.	CAPACITY
01131 2	**1131**	3/8" I.D. - 1/2" O.D. (9 – 12mm)
01132 9	**1132**	1/2" I.D. - 5/8" O.D. (13 – 16mm)
01133 6	**1133**	3/4" I.D. - 7/8" O.D. (19 – 22mm)

1131 - LIST $4.57
1132 - LIST $4.77
1133 - LIST $5.00

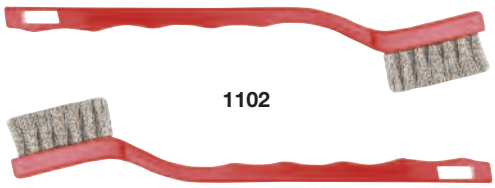


INSIDE DIAMETER FITTING AND TUBE BRUSHES

- Cleans the inside of copper fittings in preparation for solder when sweating pipes
- Two sizes 1/2" & 3/4" fits the most common copper tube fittings
- Use with General Tools No. 1132 and No. 1133 to completely clean fittings and tube inside and out

UPC	NO.	CAPACITY
01121 3	**1121**	1/2" (12mm)
01122 0	**1122**	3/4" (19mm)

1121 - LIST $4.83
1122 - LIST $4.83

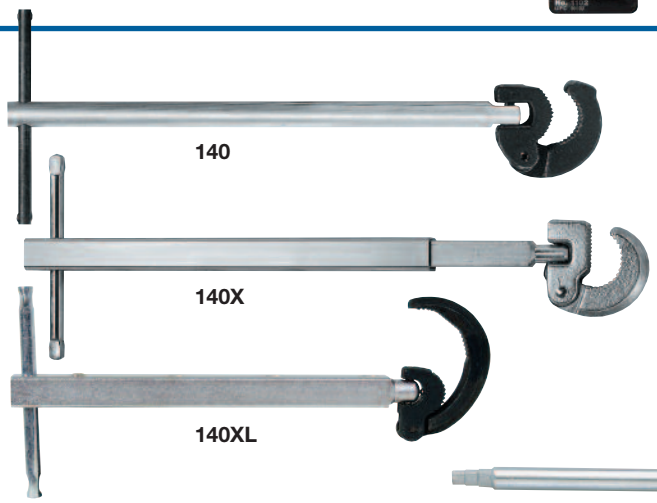


BRASS AND STAINLESS STEEL CLEANING BRUSHES

- Handy utility brushes clean pipe, battery terminals, spark plugs and more
- Brass brush is recommended for cleaning softer materials
- Steel brush provides extra abrasion needed to clean pipe

UPC	NO.	
01102 2	**1102**	(set of 2)

LIST $4.31

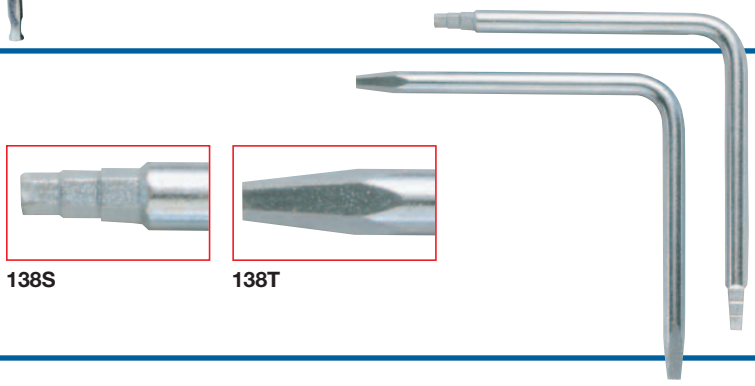


BASIN WRENCHES

- Pivoting jaws and long handle permits access to holding nuts behind basin
- Sliding T-handle for working in confined areas
- Spring loaded jaws for one-hand ratcheting
- All handles are plated to prevent rust
- 140X, 140XL extends from 11" (280mm) to 16" (400mm)
- The 140 is 11" long

UPC	NO.	CAPACITY
13019 8	**140**	3/8" - 1-1/4" (10mm - 31mm)
13033 4	**140X**	3/8" - 1-1/4" (10mm - 31mm)
01401 6	**140XL**	1" - 2" (25mm - 50mm)

140 - LIST $13.73
140X - LIST $17.10
140XL - LIST $16.00



SEAT WRENCHES

- Tapered seat wrenches for the removal of faucet seats
- Hardened alloy steel
- Plated to prevent rust

138S - LIST $6.22
138T - LIST $6.22

UPC	NO.	SIZE
13020 4	**138S**	.235 - .300" Stepped
13016 7	**138T**	.230 - .400" Tapered

ALWAYS WEAR OSHA APPROVED SAFETY GOGGLES

Internal Pipe Wrenches are used for the removal of broken thread ends of pipe, pipe plugs and fittings. The nipple extractor is used to remove broken iron pipe nipples.

General's Undersink Drain Pliers, our exclusive designed pliers, fits all sink, drain, slip, trap and compression nuts, basin and sink lock nuts.

PROFESSIONAL INTERNAL PIPE WRENCHES AND SETS

- For the removal of broken threaded ends of pipe, pipe plugs and fittings
- Hex body can be used with a wrench
- Pipe sizes are marked on each wrench
- Heat treated alloy steel, plated to prevent rust
- Conforms to gov. spec. GGG-W643b

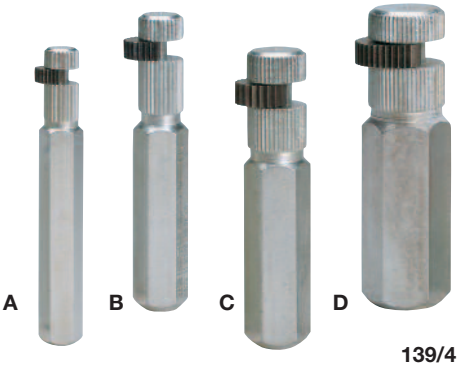
139A - LIST $5.94
139B - LIST $6.63
139C - LIST $7.41
139D - LIST $10.43
139ST - LIST $20.19
139/4 - LIST $31.66

INDIVIDUAL SIZES

UPC	NO.	SPECIFICATIONS	LENGTH
13013 6	**139A**	3/8" (9.7mm)	3-3/4" (95.25mm)
13014 3	**139B**	1/2" (12mm)	3-3/4" (95.25mm)
13015 0	**139C**	3/4" (20mm)	3-3/4" (95.25mm)
13023 5	**139D**	1" (25mm)	3-3/4" (95.25mm)

SETS

13017 4	**139ST**	Set of 3 Internal Pipe Wrenches (139A, 139B, 139C)
13026 6	**139/4**	Set of 4 Internal Pipe Wrenches (139A, 139B, 139C, 139D)



139/4

UTILITY INTERNAL PIPE WRENCHES AND SET

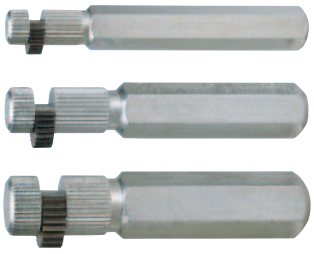
- For the removal of broken threaded ends of pipe, pipe plugs and fittings
- Hex body can be used with a wrench
- Pipe sizes are marked on each wrench
- Heat treated alloy steel, plated to prevent rust
- Size stamped on body

UPC	NO.	SPECIFICATIONS
01391 0	**1391**	3/8" (9.7mm)
01392 7	**1392**	1/2" (12mm)
01393 4	**1393**	3/3" (20mm)

SET

01390 3	**1390**	3 Internal Pipe Wrenches

1392 - LIST $5.44
1393 - LIST $5.94
1390 - LIST $14.44



3/8"

1/2"

3/4"

1390

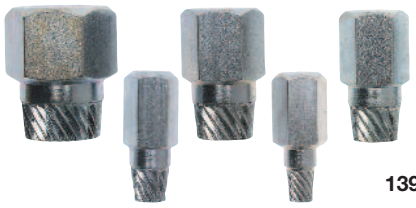
5-PIECE IRON PIPE NIPPLE EXTRACTOR SET

- Used to remove broken iron pipe nipples by tapping them snuggly into the broken pipe end; then turn counterclockwise with a wrench or socket that fits the hex end
- Fits iron pipe nipples: NPT 1/8", 1/4", 3/8", 1/2" and 3/4"

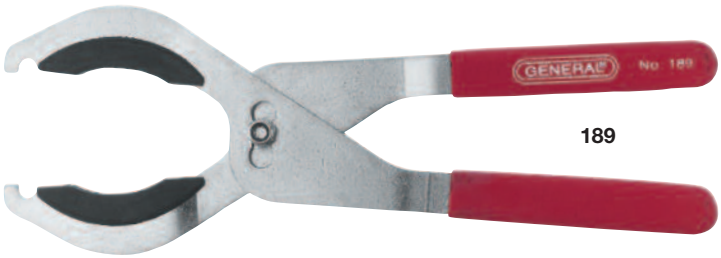
- Plated to prevent rust
- Tapered design for a snug fit and heat-treated for longer life
- Size stamped on body

UPC	NO.
01395 8	**1395**

LIST $12.32



1395



189

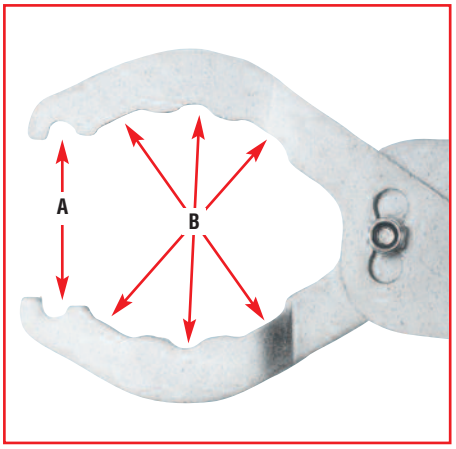
Removable Soft Jaw Covers

UNDERSINK DRAIN PLIER

- Our exclusive designed pliers fits all sink drain, slip, trap and compression nuts, basin and sink lock nuts
- A true fits-everything drain pliers
- The 3 position slip joint allows the pliers to work on all 1-1/4", 1-1/2" and 2" plastic and metal drain systems
- Jaws expand to a huge 4" opening for large strainer nuts

- Removable rubber jaw covers to protect plated nuts or pipes from damage
- The textured handles provide a sure grip even with wet hands
- Replaces jaw wrenches, slip nut and combination wrenches
- Corrosion resistant chrome-plated
- Can be used as oil filter pliers

UPC	NO.	CAPACITY
18900 4	**189**	up to 4" (102mm) 10-1/4" (260mm)



A. Fits Strainer Drain Nut Tabs
B. Fits Tabs for Plastic Traps, Slip and Compression Nuts.

LIST $14.49

Wrenches

Plumbing Pliers, which have chrome plated forged steel jaws, provide ample capacity for most pipes, nipples and fittings up to 2". Both pliers have removable jaw covers to protect plated nuts or pipes from damage. Pipe Wrenches have forged and ground jaws which provide ample capacity for most pipes, nipples and fittings up to 3". Both pipe wrenches have long handles for extra leverage and torquing.

ALUMINUM PIPE WRENCHES

- Professional quality
- Forged and ground jaws
- Almost half the weight of iron wrenches
- Hang hole in handle

1483 Shown

1483

UPC	NO.	SIZE	CAPACITY
01482 5	**1482**	14" (350mm)	2" (50mm)
01483 2	**1483**	18" (450mm)	2-1/2" (65mm)
01484 9	**1484**	24" (600mm)	3" (80mm)

1482 - LIST $21.61
1483 - LIST $27.81
1484 - LIST $44.10

IRON PIPE WRENCHES

- Professional quality
- Forged and ground jaws
- Hang hole in handle

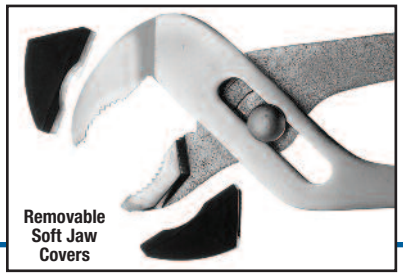
1493 Shown

1493

UPC	NO.	SIZE	CAPACITY
01491 7	**1491**	10" (250mm)	1-1/2" (38mm)
01492 4	**1492**	14" (350mm)	2" (50mm)
01493 1	**1493**	18" (450mm)	2-1/2" (65mm)
01494 8	**1494**	24" (600mm)	3" (80mm)

1491 - LIST $11.45
1492 - LIST $14.64
1493 - LIST $21.38
1494 - LIST $33.66

159



Removable Soft Jaw Covers

SOFT JAW PLUMBING PLIER

- Adjustable forged pliers with removable protective soft grip jaws
- Remove soft jaws for standard work
- Textured cushion grips provide a sure grip even with wet hands
- Includes a spare set of soft jaws
- Durable chrome plated forged steel jaws provide ample capacity for most pipes, nipples and fittings up to 2"
- 10" overall length provides extra torque

UPC	NO.	CAPACITY	LENGTH
01590 7	**159**	2" (50mm)	10" (254mm)

LIST $16.87

186

STRAINER LOCK NUT WRENCH

- Adjustable jaw wrench is used to install or remove all strainer basket lock nuts
- Extra long comfort grip handle allows access to lock nuts other wrenches can't reach
- Non-rusting finish
- Use with Model No. 183, Basket Strainer Wrench, to prevent slipping

UPC	NO.	LENGTH
01860 1	**186**	12" (300mm)

LIST $12.21

ALWAYS WEAR OSHA APPROVED SAFETY GOGGLES

Wrenches/Faucet

General's Stub Wrench removes PVC and CPVC broken plastic plumbing pipes and garden sprinkler risers. The adjustable wrench's jaws have a cutout for convenient locknut installation. The spud wrench removes stubborn slip nuts, locknuts and spuds in tight places. The tub drain remover is used to install or remove tub drains with or without crossbars. Tap in for a snug fit then turn with a wrench or screwdriver.

PLUG WRENCH

- Holds pop-up plugs and basket strainers in position
- Prevents rotation of basket strainers during installation
- Zinc plated to prevent rust

UPC	NO.
22157 5	193

LIST $4.87

193

ADJUSTABLE WRENCH

- Jaws have a cutout for convenient locknut installation
- Fits spudnuts, slip and locknuts and basket strainer nuts
- Adjusts from 1" to 3" (25-75mm)
- Zinc plated to prevent rust

UPC	NO.	LENGTH
22155 1	190	10-1/4" (260mm)

LIST $10.07

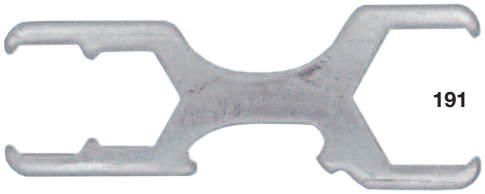
190

SPUD WRENCH

- Even in tight spaces, stubborn slip nuts, locknuts and spuds are no match for this tool
- Handles three sizes of hex nuts: 1-3/4" (45mm), 2" (51mm) , 2-1/2" (64mm)
- 1/2" lug turn and pivot hook
- Stamped steel construction
- Nickel plated to prevent rust

UPC	NO.	LENGTH
22156 8	191	9-3/8" (238mm)

LIST $5.68



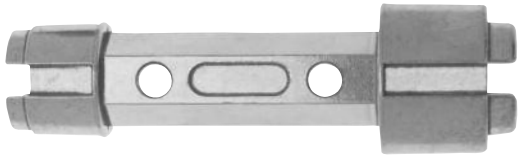
191

TUB DRAIN REMOVER

- Used to install or remove tub drains with or without crossbars. Tap in for a snug fit then turn with a wrench or large screwdriver
- Double ended to fit most tub drains
- Durable cast construction

UPC	NO.
01850 2	185

LIST $12.21



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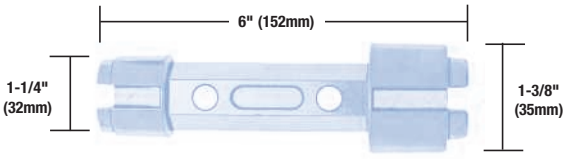
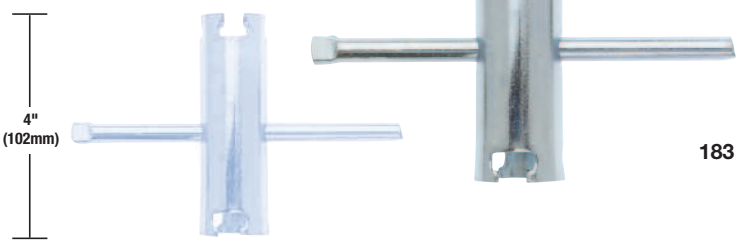


DOUBLE ENDED BASKET STRAINER WRENCH

- Holds strainer in position for easy installation while tightening the locking nut
- Sliding handle provides a secure grip and needed torque
- Two sizes to fit most basket strainers
- Plated steel prevents rust

UPC	NO.
01830 4	183

LIST $10.50



183

Wrenches/Faucet

The Garbage Disposal Wrench safely dislodges garbage disposal shredder plate jams. The Faucet Handle Puller can remove large or small faucet handles with ease. The Shower Valve Wrench now has a longer body length for access to recessed valve stems in tile covered walls. The Stub Wrench removes PVC and CPVC broken plastic plumbing pipes and garden sprinkler risers.

188

SHOWER VALVE WRENCHES

- Five-piece set comes with five double end wrenches, bar handle and a bar wire holder for easy storage
- Sizes: 21/32 x 27/32; 29/32 x 31/32; 1-1/32 x 1-3/32; 1-5/32 x 1-9/32; 1-11/32 x 1-7/16
- Longer length for access to recessed valve stems in tile covered walls

UPC	NO.	TYPE	SIZES
22161 2	**188**	(Five piece set)	21/32" x 1-7/16"
01881 6	**1881**	Individual	21/32" x 27/32"
01882 3	**1882**	Individual	29/32" x 31/32"
01883 0	**1883**	Individual	1-1/32" x 1-3/32"

188 - LIST $13.85
1881 - LIST $6.29
1882 - LIST $6.29
1883 - LIST $6.29

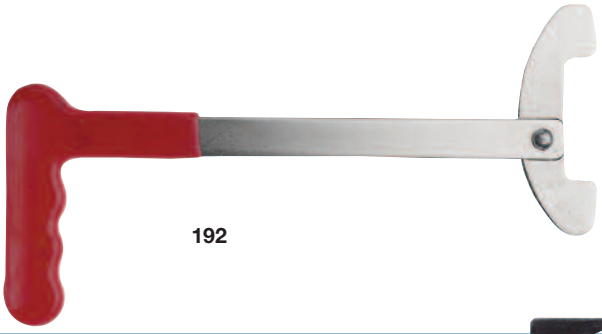
1399

STUB WRENCH

- Removes PVC and CPVC broken plastic plumbing and garden sprinkler risers
- Serrated and tapered jaws are tapped into the riser for a tight fit for easy extraction
- Comfort grip T-handle for added torque

UPC	NO.	SIZES	LENGTH
01399 6	**1399**	1/2", 3/4" (12, 20mm)	7-3/4" (197mm)

LIST $5.53



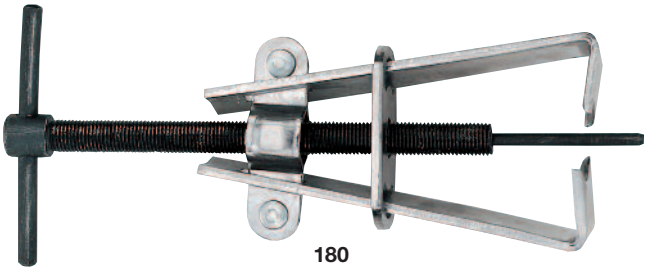
192

GARBAGE DISPOSAL WRENCH

- This universal wrench safely dislodges garbage disposal shredder plate jams
- Swivel head design provides easy position on the shredder plate
- The large flat surface cushion grip handle provides a comfortable grip

UPC	NO.	LENGTH
01920 2	**192**	11.5" (292mm)

LIST $8.88



180

FAUCET HANDLE PULLER

- Removes large and small faucet handles with ease
- Two adjustable fingers 4 inches long for a more secure grip

UPC	NO.
22158 2	**180**

LIST $7.53

182

4-WAY FAUCET WRENCH

- One tool does the work of four individual wrenches
- Sizes: 1/4", 9/32", 5/16", 11/32" internal square
- Fits stopcocks, sillcocks and valves
- Heat treated steel for greater strength

UPC	NO.
22159 9	**182**

LIST $4.89

ALWAYS WEAR OSHA APPROVED SAFETY GOGGLES

Strap Wrenches provide a non-marring, slip-resistant grip. These wrenches are ideal for working on decorative finishes or irregular shapes.

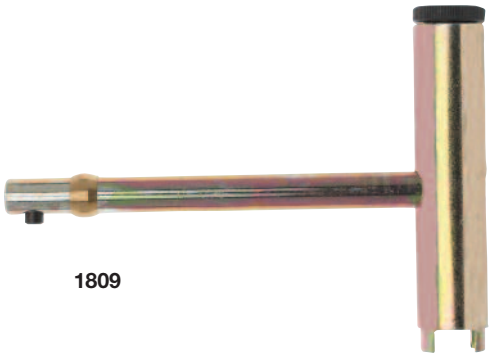
The Mini-Drain Snake will clean out most problems of blocking sinks, bathtubs or toilets within 2 feet of the openings.

STEM AND CARTRIDGE PULLER

- Works on plastic and brass cartridge stems for faucets, tubs and shower valves
- For easy removal of Moen® style single lever faucet stem and cartridge and other plastic and cartridge sleeve
- Works on plastic and brass faucets and shower valves

UPC	NO.
01809 0	**1809**

LIST $14.32



1809

RUBBER STRAP WRENCH

- Fits any shape
- Rubber strap for a non-marring, slip resistant grip
- Tough thin strap works in tight spaces
- Holds, loosens or tightens

UPC	NO.	CAPACITY
01566 2	**1566**	6" O.D. (152mm)

LIST $9.81

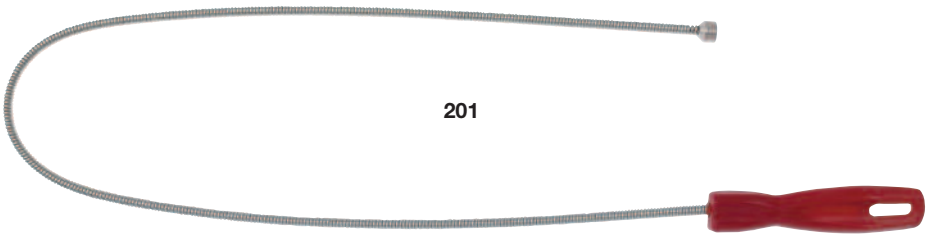
1566

MINI-DRAIN SNAKE

- The Mini Snake will clean out most problems of blocked sinks, bathtubs or toilets within 2 feet of the opening
- The sharp ended scraper will cut through most debris in openings 1/2" or larger
- The flexible rod conforms to drain pipe without binding
- The rod is plated to prevent rust and last for years
- Useful for central vacuum clogs

UPC	NO.	LENGTH
00201 3	**201**	24" (600mm)

LIST $9.79



201

Infrared Thermometers

FEATURES SPECIFICATIONS

8:1 MID-RANGE INFRARED THERMOMETER

Ideal for most applications in HVAC/R, plumbing and heating, electrical, automotive and other industrial jobs.

- Rugged and ergonomic design for general purposes
- Ultra-low power consumption in shutdown mode
- Extended long time measuring reliability
- Backlit LCD display
- Switchable On/Off Laser sighting
- °F/°C selectable
- Auto off
- CE, RoHS, WEEE approved

♦ Distance to Spot (DS) ratio: 8:1
♦ Range: -4° to 604°F (-20° to 317°C)
♦ Emissivity: Fixed at 0.95
♦ Resolution: 0.5°F / 0.5°C
♦ Accuracy: ±2%
♦ Operating temperature: 32° to 122°F, 10 to 90%RH
♦ Power Source: 1 "9V" battery (included)

UPC	NO.	LIST
02060 9	IRT206	$59.99

IRT206

The new IRT206 "**Heat Seeker**™" infrared thermometers are precision measuring devices used for obtaining accurate temperatures instantaneously without having to contact the object being measured. It works by capturing and measuring the invisible infrared energy naturally emitted from all objects. It offers an easy and safe method to instantaneously measure surface temperatures of objects which are difficult or unsafe to contact.

The "**Heat Seeker**™" has a rugged, ergonomic design and features a backlit LCD display with built-in laser sighting. The IRT206 has a measurement range of -4° to 604°F (-20° to 317°C) and utilizes a switchable on/off laser pointer for target location. The practical distance-to-spot (DS) ratio of 8:1 is suitable for most consumer and commercial applications.

6:1 POCKET HVAC/R GENERAL PURPOSE INFRARED THERMOMETER

Convenient and accurate measurement in most HVAC/R application and industrial jobs.

- Easy to use
- Auto power off
- Lock function
- Min/Max readings
- Fits in your pocket
- CE approved

♦ Distance to Spot (DS) ratio: 6:1
♦ Range: -67° to 482°F (-55° to 250°C)
♦ Emissivity: Fixed at 0.95
♦ Accuracy: ±0.6 °F/°C
♦ Response Time: 1 second
♦ Dimensions: 4.1 x 2 x 0.7 in. (104 x 51 x 18mm)
♦ Weight: 4.6 oz. (130g)
♦ Power Source: 2 "CR2032" batteries (included)

Includes: • Neck strap

UPC	NO.	LIST
20199 2	IRT203	$49.99

IRT203

DIGITAL THERMOMETER

- Instant Read
- °F/°C selectable
- Food Safe
- Stainless Steel
- 4.5 in. (114mm) Stem
- Flat Edge, Non-Roll Case

♦ Temperature Range: -40° to 302°F (-40° to 150°C)
♦ Resolution: ±0.1°
♦ Accuracy: ±1.8°F (±1°C)
♦ Probe Length: 4.5 in. (114mm)
♦ Power Source: 1 "LR44" battery (included)

UPC	NO.	LIST
20035 3	DPT301FC	$14.95

DPT301FC

ALWAYS WEAR OSHA APPROVED SAFETY GOGGLES

FEATURES SPECIFICATIONS

DIGITAL THERMOCOUPLE THERMOMETER

For use in labs, industrial control and audits and measuring differential temperature T1/T2.

- Dual probe input
- Accepts "K", "J" & "T" type probes
- T1/T2 temperature differential
- Data hold
- Record feature
- Relative clock
- °F/°C switch
- Backlight
- Auto power off
- Low battery indicator
- RS-232 computer interface
- Replaces DT8803
- CE and RoHS approved

♦ "K" Type Temperature Range: -328° to 2498°F (-200° to 1370°C)
♦ Accuracy: 0.1% (±1°F)
♦ Resolution: 0.1 to 1
♦ Response Time: 1 sec.
♦ Dimensions: 7.16 x 2.83 x 1.18 in. (182 x 72 x 30mm)
♦ Power Source: 1 "9V" battery (included)

Includes: • 2 "K" type probes (TPK500)
• Molded hard case

UPC	NO.
21012 3	DT8852
12710 0	ASFT KIT

PC Interface Kit (Optional)

DT8852 - LIST $119.99
ASFT KIT - LIST $79.99

CE RoHS

DT8852

DIGITAL AQUARIUM THERMOMETER

Ideal for use in aquarium, and aqua-culture applications.

- Displays ambient and remote temperature
- Min/Max temperature memory
- High/low temperature alarm
- Jumbo digital display
- Room and outer sensor temperature switch
- °F/°C switch
- Backlight
- Foldaway stand
- CE approved

♦ Ambient Range: 14° to 122°F (-10° to 50°C)
♦ Remote Range: -58° to 158°F (-50° to 70°C)
♦ Resolution: 0.1°
♦ Accuracy: ±1.8°F (±1°C)
♦ Sampling Rate: 10 second
♦ Cord Length: 10 ft. (3m)
♦ Display Size: 1.88 x 0.82 in.
♦ Dimensions: 2.87 x 2 x 0.6 in. (73 x 51 x 15mm)
♦ Power Source: 1 "AAA" battery (included)

Includes • Suction cup
• Velcro mounting tape

UPC	NO.
22150 1	AQ150

LIST $18.95

CE

AQ150

ANALOG POCKET THERMOMETER WITH MAGNIFYING LENS

- Range **320**: -40° to 160°F
- Range **321**: -0° to 220°F
- Rugged stainless steel probe

Includes: • Protective sheath with pocket clip

UPC	NO.
00320 1	320
22391 3	321

320 - LIST $6.99
321 - LIST $6.99

320
321

DIGITAL 3-IN-1 LCD STUD / VOLTAGE / METAL DETECTOR

Ideal for Locating Studs, Pipes, Wires Carrying Voltage and Hidden Metal.

- Selectable Metal, Voltage and Stud detections or Auto Mode to perform 3 functions simultaneously
- Micro-Processor Control Circuits provide precise and accurate detections
- Results shown on LCD with buzzer
- Multi-Scan-Level to pinpoint exact position
- Battery status indicated on LCD
- Auto Power OFF
- Low power consumption
- Ideal for the D. I.Y. Homeowner, Handyman, Hobbyist and Professional

♦ Dimensions: 6.1 x 2.6 x 1.3 in. (155 x 65 x 32mm)
♦ Weight: 6.5 oz. (185g)
♦ Power Source: 1 "9V" battery (not included)

Includes: • User's Manual

UPC	NO.
01275 8	MSV350D

LIST $34.99

MSV350D

Video Borescope Systems

FEATURES SPECIFICATIONS

Probe Diameters

9mm
(DCS400-09)

12mm
(DCS400)
(DCS200)
(DCS300)

THE SEEKER™ 400 SERIES WIRELESS VIDEO BORESCOPE INSPECTION SYSTEM

Use for Electric, HVAC/R, Plumbing, Construction and Restoration, Automotive Inspection and any other inspection of hard-to-reach and hard-to-see areas.

- 3.5" (88.9mm) TFT-LCD Wireless Color Monitor, can be detached from the unit for remote viewing up to 32 ft. (10m) away
- 3.3 ft. (1m) Flexible Waterproof (IP67) Obedient Probe retains configured shape and can be lengthened up to 16 ft. (5m) by adding probe extensions
- Records up to 3 hours continuously
- NTSC or PAL compatible
- Fits into holes as small as 3/8" (DCS400-9) or 1/2" (DCS400)

CAMERA/VIDEO

- Transmission Range: 32 ft. (10m) clear field
- Transmission Frequency: 2.4GHz
- Resolution: 320 x 240 Pixels (NTSC)
- Field of View: 60°
- Probe Diameter: 12mm (DCS400); 9mm (DCS400-09)
- Probe Length: Standard: 3.3 ft. (1m) Optional: With extensions up to 16 ft. (5m)
- Dimensions: 8.5" x 6.5" x 1.9" (215 x 165 x 50mm)
- Weight: 15 oz. (425g)
- Light Source: Two adjustable white LED's

MONITOR

- Video Resolution: 320 x 240 Pixels (AVI format)
- Dimensions: 3.9 x 3.3 x 1 in. (100 x 85 x 25mm)
- Weight: 6.1 oz. (172g)
- Light Source: Two adjustable white LED's
- Power Source: (2) 1 in handle, 1 in monitor "Li-Ion" rechargeable batteries (included)

Includes:

- 3.3 ft. (1m) Obedient/Flexible Probe
- Accessory Tools: 45° Mirror, Magnet, Pick-Up Hook
- Blow Mold Case
- AC Charger and 1 into 2 charging cable
- Video Cable
- USB Cable
- Micro SD Card
- SD Card Adapter
- User's Manual
- Warranty: 1 year

UPC	NO.	LIST
01372 4	**DCS200 System** (with 12mm dia. probe)	**$199.00**
01373 1	**DCS300 System** (with 12mm dia. probe)	**$229.00**
01371 7	**DCS400 System** (with 12mm dia. probe)	**$299.99**
01386 1	**P230-1** 1m (3.3 ft.) 12mm dia. Replacement Probe	**$79.00**
01387 8	**P230-1X** 1m (3.3 ft.) 12mm dia. Probe Extention	**$19.95**
01390 8	**P230-2X** 2m (6.6 ft.) 12mm dia. Probe Extention	**$29.95**
01400 4	**DCS400-09 System** (with 9mm dia. probe)	**$399.00**
01423 3	**P495-1N** 1m (3.3 ft.) 9mm dia. Replacement Probe	**$99.00**

THE SEEKER™ 200 AND 300 VIDEO BORESCOPE INSPECTION SYSTEMS

Ideal for use in: HVAC/R, Automotive, Electrical, Plumbing and MRO Maintenance.

- 2.4" (70mm) Color LCD Screen for crystal clear image (DCS200)
- 3.5" (88.9mm) Color LCD Screen for superb clarity and viewing effect (DCS300)
- 0.47" (12mm) diameter probe is flexible and strong with built-in adjustable LED lighting, and is slim enough to fit into holes as small as 1/2"
- Flexible Probe retains configured shape to suit different inspection needs
- Probe Length: Standard: 3.3 ft. (1m) Optional: With extensions up to 16 ft. (5m)
- View findings instantaneously
- Mirror, Magnet and Pick-up Hook
- Display: 2.4" (70mm) Color LCD Screen (DCS200)
- Display: 3.5" (88.9mm) Color LCD Screen (DCS300)
- Resolution: 320 × 240 Pixels
- Probe Diameter: 0.47" (12mm)
- Probe Length: Standard: 3.3 ft. (1m) Optional: With extensions up to 16 ft. (5m)
- Field of View: 60°
- Light Source: two adjustable white LED's
- Working Temperature: 32° to 113°F (0° to 45°C)
- Power Source: 1 "9V" battery

Includes:

- 1 "9V" Battery
- 3.3 ft. (1m) Obedient/Flexible Probe
- Accessory Tools: 45° Mirror, Magnet, Pick-Up Hook
- Blow Mold Case
- User's Manual

ALWAYS WEAR OSHA APPROVED SAFETY GOGGLES

FEATURES SPECIFICATIONS

GAS PRESSURE TEST KITS

Rugged, Heavy Duty Field Use.

- Measures Natural gas (methane) or LP gas pressure across appliance manifolds
- Tests gas stoves, furnaces, dryers and other gas appliances. Can also be used for other non-corrosive gases
- Large 2 in. sensitive diaphragm gauge is calibrated in inches of water column, also shows ounces per square inch
- Magnified lens
- Easier to use than a manometer

♦ Range **GPK015**:
0 to 15 inches of water column (in H_2O)
0 to 9 ounces per square inch (oz./in2)
♦ Range: **GPK035**:
0 to 35 inches of water column (in. H_2O)
0 to 20 ounces per square inch (oz./in2)

Includes:
- 2 in. sensitive diaphragm gauge
- 3 ft. of rubber tubing
- Brass fitting for quick connection to the appliance manifold 3/8 in. NPT
- Molded hard case

UPC	NO.
41240 4	GPK015
41230 5	GPK035

GPK015 - LIST $44.99
GPK035 - LIST $44.99

GPK015
GPK035

WATER ALARM

Find Leaks from Plumbing, Appliances, Water Heaters etc.

- Detects water leaks from plumbing and appliances
- Alarm sounds when water is detected
- Helps reduce water damage
- Finds mold causing moisture
- Low battery indicator

♦ Dimensions:
4.3 x 4.3 x 1 in. (109 x 109 x 25mm)
♦ Power Source: 1 "9V" battery (included)

UPC	NO.
80140 8	WA500

LIST $14.99

WA500

REFRACTOMETER

For testing Polyglycol/Antifreeze.

- Used to check freezing point on Glycol and break fluid 10°F, -60 to 32°F
- Resolution: 1.15 to 1.3 S/G
- Size: 6.2"L x 1.8"D
- Weight: 7 oz.

Includes:
- Calibration screwdriver
- Plastic pipette
- Carrying case

UPC	NO.
44401 6	REF401

LIST $99.99

REF401

HYDROGAUGE MANOMETER

Economical Pressure measurements.

- Replaces ordinary U-tube manometers
- Measures gas pressure easily and efficiently
- Direct reading, no plus or minus readings to add together as in old fashioned U-tubes
- Fills like a glass of water, no more trouble-some air bubbles
- Strong magnet for mounting
- Heavy-duty construction
- Made of industrial grade, flexible PVC plastic
- Lightweight
- Easy to use

♦ HG15 Water Column Height: 15 in.
♦ Plastic: 30 to 36 in. of industrial grade flexible plastic
♦ Hose fitting: All brass

Includes:
- Mounting magnet

UPC	NO.
41225 1	HG15

LIST $27.95

HG15

FEATURES | SPECIFICATIONS

DELUXE DIGITAL MANOMETER

Ideal for Industrial Pressure testing.

DM8215

- Digital display of gauge or differential pressure
- Select: psi, inH_2O, bar, mmHg, oz./in^2, kgcm^2, kPa, ftH_2O, inHg, cmH_2O & mbar
- Bright backlight
- Data hold and record
- Min/Max button
- Simple fittings for hose connection
- RS-232 computer interfacet
- CE and RoHS approved

♦ 0-15 psi (to 415 inH_2O); Res. (bar) 0.01
♦ Power Source: 1 "9V" battery (included)
Includes: • Connection hose
• Molded hard case

UPC	NO.
41215 2	**DM8215**
12710 0	**ASFT KIT** PC Interface Kit (Optional)

DM8215 - LIST $189.99
ASFT KIT - LIST $79.99

ANALOG MULTIMETER

Makes economical electrical readings.

AM35UL

- 5 Functions - 13 Ranges
- Fuse and diode protected
- Single knob function and range selector switch
- Self-storing leads
- AC/DC Volts
- DC current
- UL Listed

♦ AC Voltage: 0/50/250/500 Volts
♦ DC Voltage: 0/10/50/250/500 Volts
♦ DC Current: 0/25mA/250mA
♦ Resistance: 0 - 1MΩ
♦ Dimensions: 4 x 2-1/2 x 3/4 in.
♦ Power Source: 1 "AA" battery (included)
Includes: • Test leads

UPC	NO.
50005 7	**AM35UL**

LIST $15.99

ECONOMY DIGITAL MULTIMETER WITH LED AND CONTINUITY BEEPER

Provides electrical readings economically.

DMM830HS

- 7 Functions - 20 Ranges
- Single lead hotside identification with bright red LED
- Continuity beeper with red LED
- AC/DC Volts
- DC current
- Distinguished hot and ground
- Ground disconnect check

♦ AC Voltage: 200V, 750V (2 Ranges)
♦ DC Voltage: 2V to 1000V (4 Ranges)
♦ DC Current: 200µA to 10A (5 Ranges)
♦ Resistance: 200Ω to 2MΩ (5 Ranges)
♦ Power Source: 1 "9V" battery (included)
Includes: • Test leads

UPC	NO.
50100 9	**DMM830HS**

LIST $21.50

DIGITAL SERVICE MULTIMETER

HVAC/R, Industrial uses.

DMM51FSG

- 8 Functions - 34 Ranges
- Measures AC/DC voltage, AC/DC current, resistance, diode, continuity and transistors
- Jumbo LCD display
- Micro amps for FSG measurement
- Low battery display
- Continuity beeper
- Protective boot with tilt stand

♦ AC Voltage: 200mV to 750V
♦ DC Voltage: 200mV to 1000V
♦ AC Current: 200µA to 10A (6 Ranges)
♦ DC Current: 20µA to 10A (7 Ranges)
♦ Resistance: 200Ω to 200MΩ (7 Ranges)
♦ Power Source: 1 "9V" battery (included)
Includes: • All weather test leads
• Rubber Holster

UPC	NO.
50190 0	**DMM51FSG**

LIST $59.99

ALWAYS WEAR OSHA APPROVED SAFETY GOGGLES

Electrical Testers/Gas Detector

FEATURES SPECIFICATIONS

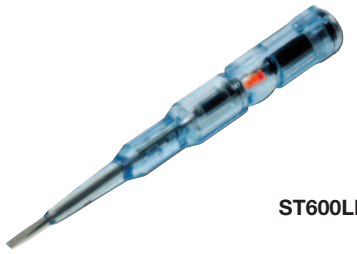
BRIGHT RED LED SCREWDRIVER TESTER

Checks for Continuity, Voltage.

- Self-test
- Continuity and polarity checks
- Microwave leakage test
- Checks fuses
- Drop-resistant to 10 ft.

♦ AC Voltage: 70 to 250V
♦ Non-contact AC: 70 to 600V
♦ Continuity Test: 0 to 50MΩ
♦ Power Source: 1 "LR44" battery (included)

UPC	NO.	LIST
51115 2	ST600LED	$4.99



ST600LED

AUDIBLE/VISUAL NON-CONTACT VOLTAGE TESTER, UL LISTED

Ideal for voltage breaks in lines.

- Non-Contact Voltage Detection
- Indicates presence of voltage from 50-600VAC
- Reads Hot Wire With Respect to Ground
- Audible and Visual Indication
- Easy-to-use
- UL Listed

♦ Voltage Range: 0–600VAC CAT IV
0–1000VAC CATIII
♦ Frequency Range: 50-500Hz
♦ Operating Environment: 32° to 122°F (0° to 51°C) at <95%RH
♦ Storage Temperature: -4 to 140°F (-20 to 60°C) at <95%RH
♦ Dimensions: 6.0 x .9 x .8 in. (152 x 23 x 20 mm)
♦ Weight: 1.6 oz. (50g)
♦ Power Source: 2 "AAA" batteries (included)

UPC	NO.	LIST
012621 1	VS3000A	$12.99

VS3000A

RUGGED AC AMP CLAMP

- 7 Functions - 20 Ranges
- Auto Ranging
- Easy to use
- Data Hold, Max Hold
- 3-1/2 in. Digit Jumbo LCD Display
- Continuity Buzzer, Diode Test
- Auto Power Off

♦ AC Current: 600AAC ±(3.0%+5)
♦ AC Voltage: 2/20/200/600VAC ±(1.0%+5)
♦ DC Voltage: 200mV/2/20/200/600VDC ±(0.8%+5)
♦ Resistance: 200/2k/20k/200k/2M/20MΩ ±(1.0%+5)
♦ Frequency: 10 - 2000Hz ±(3%+10)

Includes:
- 2 "AAA" batteries
- Test leads
- Carrying case

UPC	NO.	LIST
01356 4	DAMP60	$69.00

DAMP60

COMBUSTIBLE GAS LEAK DETECTOR

Industrial uses, HVAC/R, plumbing and plant maintenance.

- Microprocess controlled DSP (Digital Signal Processing)
- Multi-color circular bar graph
- Semiconductor gas sensor
- Leak size indication (audible/visible)
- Auto fast warm-up
- Adjustable Hi/Lo sensitivity
- Low battery indication
- Sensing tip protector
- 15.5" (395mm) flexible gooseneck probe

Includes:
- 4 "AA" batteries
- Leak check bottle
- Instructions
- Hard carrying case

♦ Detect Item: Combustible gases including propane, methane and many more
♦ Sensitivity: Variable; as low as 5ppm (gasoline)
♦ Response Time: Instantaneous
♦ Warm-Up Time: <110 seconds (at 25°C, 60%RH)
♦ Battery Life: Approximately 20 hours normal use
♦ Operation Temperature: 32° to 104°F (0° to 40°C)
♦ Power Source: 4 "AA" batteries
♦ Dimensions: 6.8" x 2.6" x 2.2" (173 x 66 x 56mm)
♦ Weight: 14.5 oz. (410g)

UPC	NO.	LIST
40880 3	NGD8800	$199.99

NGD8800

Gas Detectors

FEATURES SPECIFICATIONS

NGD268

PORTABLE GAS LEAK DETECTOR

Industrial uses, HVAC/R, plumbing and plant maintenance.

- Highly sensitive wide range gas detector
- Detect methane, natural gases, coal gases, hexane, propane, ethane, Butane, pentane, isopropyl alcohol, halogenated hydrocarbons, (Methanol, Ethanol, Butanol) aether, ketone (butone, protone), Hydrogen, toluene, and other compounds, (gasoline, industrial solvent, lacquer, refrigerant, sulfur dioxide, ammonia, sulfured hydrogen, acetic acid, etc)
- Quick response
- LED and audio indication
- Gas concentration alarm
- Adjustable sensitivity
- Rechargeable
- 3-color leak indication

♦ Gas Sensitivity: 50 ppm~100% LEL (Lower Explosive Limit)
♦ Startup Time: <30 sec.
♦ Response Time: <3 sec.
♦ Visual LED displays 10 levels for each of 3 gas ranges: Green for low levels, yellow for moderate and red for dangerous levels.
♦ Operating Conditions: -4° to 140°F, <98%RH
♦ Low Power Warning
♦ Dimensions: 6.7 x 2.4 x 1.02 in. (170 x 62 x 26mm)
♦ Power Source: 1 "9V" battery (included)

Includes: • AC Adapter Accessories **A268-110** - **A268-220** - **T268** - Sensor

UPC	NO.	LIST $199.99
41537 5	**NGD268**	

PNG2000A

COMBUSTIBLE GAS DETECTOR PEN

Ideal for contractors and homeowners to check gas leaks in plumbing and appliances.

- Easy to operate
- High Sensitivity
- Low Power Consumption
- Microprocessor controlled
- Reliable performance
- Audible and visual alarms
- Fast response and resume
- A variety of sounds for different status
- Small zero drift and large range of operating temperature

♦ Range: 0 to 100%LEL
♦ Sampling: Natural diffusion
♦ Operating Temperature: -4° to 131°F (-20° to 55°C)
♦ Operating Humidity: <95%RH
♦ Operating Voltage: DC3V
♦ Operating Current: <150mA
♦ Low Alarm: (20±5) %LEL
♦ High Alarm: (50±10) %LEL
♦ Response Time: <5s • Sound: ≥65dB
♦ Power Source: 2 "AA" batteries (included)

Includes: • Wrist strap • User's Manual

UPC	NO.	LIST $49.99
41501 6	**PNG2000A**	

DCO1001

DIGITAL CO DETECTOR WITH AUTO ZERO

Ideal for Home, Office, Tunnels, Mines, etc.

- Adjustable CO warning level
- LCD dual digital display
- Bright backlight
- Low battery indication
- Measures ambient temperature
- °F/°C selectable
- Auto power off
- Auto zero
- Self test
- Max hold
- CE and RoHS approved

CO Range: 0~999ppm
♦ Resolution: 1ppm
♦ Accuracy: +/-20% at 0 to100 ppm
+/-15% at 100 to 500 ppm
♦ Battery life is 250 hours when the backlight is off and 35 hours with the backlight on

Includes: • 3 "AAA" batteries
• Operation manual
• Wrist strap
• Carrying pouch

UPC	NO.	LIST $169.95
41655 6	**DCO1001**	

5562

METAL INSPECTION MIRROR

- Includes plastic protective sheath
- Heavy-duty construction

UPC	NO.	SIZE	OVERALL LENGTH	LIST $12.95
05562 0	**5562**	2" x 3-3/4"	10-3/4", extends to 26"	

ALWAYS WEAR OSHA APPROVED SAFETY GOGGLES

TELECSCOPING LIGHTED INSPECTION MIRROR

- 2 Extra bright LED lights facilitate the inspection of hard-to-see and hard-to-reach areas
- Ideal for toolmakers, machinists, inspectors and mechanics
- Fully polished glass mirror is shatter-resistant
- 2 "CF2032" batteries included
- 360° Swivel double ball joint

UPC	NO.	SIZE	OVERALL LENGTH
02146 5	**80560**	2" x 3"	12-1/4", extends to 33"

LIST $14.96

80560

LumiLENS™ LIGHTED MAGNIFIER

- Push On / Push Off Powerful LED light
- Contoured Handle for Handheld Use
- Integrated Stand for Hands-Free Use
- Shatter-Resistant Lens
- 3-1/2" Lens Diameter (89mm)
- 3X Magnification (6X Inset lens)
- Power Source: 2 "AA" batteries (included)

Includes • Protective pouch

UPC	NO.
26001 7	**800543**

LIST $19.96

800543

ULTRATECH™ LED VISION™

• **Hands-Free Use**

• **3x Magnification, 6x Inset Lens**

• **Extra-Bright LED**

TELESCOPING ALLIGATOR CLIP

- Ideal for lighting pilot lights and barbeques
- Jaw capacity: 170" (4.30mm)
- Closed length: 6-1/4" (159mm)
- Extended length: 24-1/2" (622mm)
- Chrome finish to prevent rust
- Convenient pocket-clip

UPC	NO.
42217 0	**400**

LIST $6.57

400

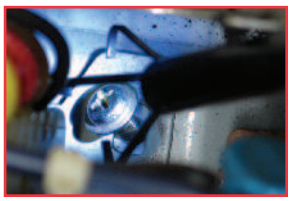
LIGHTED MECHANICAL PICK-UP

- Retrieve items from dark/hard-to-reach places
- Push On Powerful LED light
- Continued push opens retrieval claw
- Comfortable ergonomically designed hand controls
- Flexible shaft

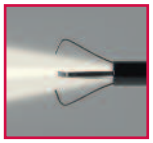
- Strong spring steel retrieval claw
- Power Source: 3 "LR41" batteries (included)

UPC	NO.
26003 1	**70396** 24" OAL LR41 replacement battery

LIST $11.96



ULTRATECH™ LED VISION™



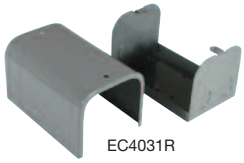
AWARD WINNER!
Popular Mechanics PM EDITOR'S CHOICE AWARDS 09

70396

HVAC/R Accessories

BTGUK2

TG87FR


EC4031R

MODEL	KEY	DESCRIPTION	PACK	LIST
THERMOSTAT GUARDS, THERMOSTATS AND TRANSFORMERS				
BEKO STYLE GUARDS				
BTG54VLW	*	MEDIUM HINGED METAL W/ RING BASE	24	21.99
BTGEK	*	SMALL SQUARE CLEAR PLASTIC W/ SOLID BASE FOR T87F & SUB BASE	24	14.99
BTGK	*	MEDIUM SQUARE CLEAR W/ SOLID & RING BASE	24	14.99
BTGRK	*	MEDIUM RECTANGULAR CLEAR W/ SOLID & RING BASE	24	14.99
BTGUK2	*	UNIVERSAL JUMBO CLEAR W/ SOLID & RING BASE	24	15.99
BTGUWM	*	UNIVERSAL JUMBO METAL W/ RING BASE	24	23.95
F336	*	KEY FOR ALL "BEKO" STYLE GUARDS	24	1.99
THERMOLOCK GUARDS				
TG87FR	*	SMALL ROUND METAL GUARD FOR T87F W/ SEE THRU WINDOW	24	16.99
TG87FS	XX	SMALL SQUARE METAL GUARD FOR T87F W/ SEE THRU WINDOW	24	16.99
TRANSFORMERS (PRI = PRIMARY, SEC = SECONDARY)				
T1000	*	120,208,240,480 PRI >24V SEC, FOOT MOUNT, FUSED, WIRE SECONDARY, 100 VA	12	57.95
T123MV	*	120,208,240 PRI >24V SEC, 3WAY MOUNT (PLATE,CONDUIT, FOOT, UL RECOG, SCREW TERM SEC. (40VA)	18	14.99
T750	*	120,208,240,480 PRI >24V SEC FOOT MOUNT, FUSED WIRE SEC. (75VA) UL RECOGNIZED	12	34.95
TR123	*	120,208,240 PRIMARY >24V SECONDARY FOOT MOUNT UL RECOGNIZED (40VA)	30	9.95
TR402	*	120,208,240 PRI >24V,12,2.5V SEC, 3 WAY MOUNT, UL RECOGNIZED, WIRE TERM SEC (48VA)	18	17.99
TR403	*	120V PRI >24V SEC, 3 WAY MOUNT(PLATE,CONDUIT, FOOT) UL RECOGNIZED, WIRE SECONDARY (40VA)	18	11.98
ENCLOSURES				
AHK425A	*	30/40 AMP CONTACTOR ENCLOSURE	12	19.95
EC4031R	*	GENERAL PURPOSE RELAY AND PB RELAY CAN	24	11.95

KEY: * = NEW ITEM XX = DISCONTINUED AFTER SUPPLY IS DEPLETED

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